

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P258480

Luminaire Tested: **D3X-WO-31L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-31L935-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE
Light Source: (252) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2662.3 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

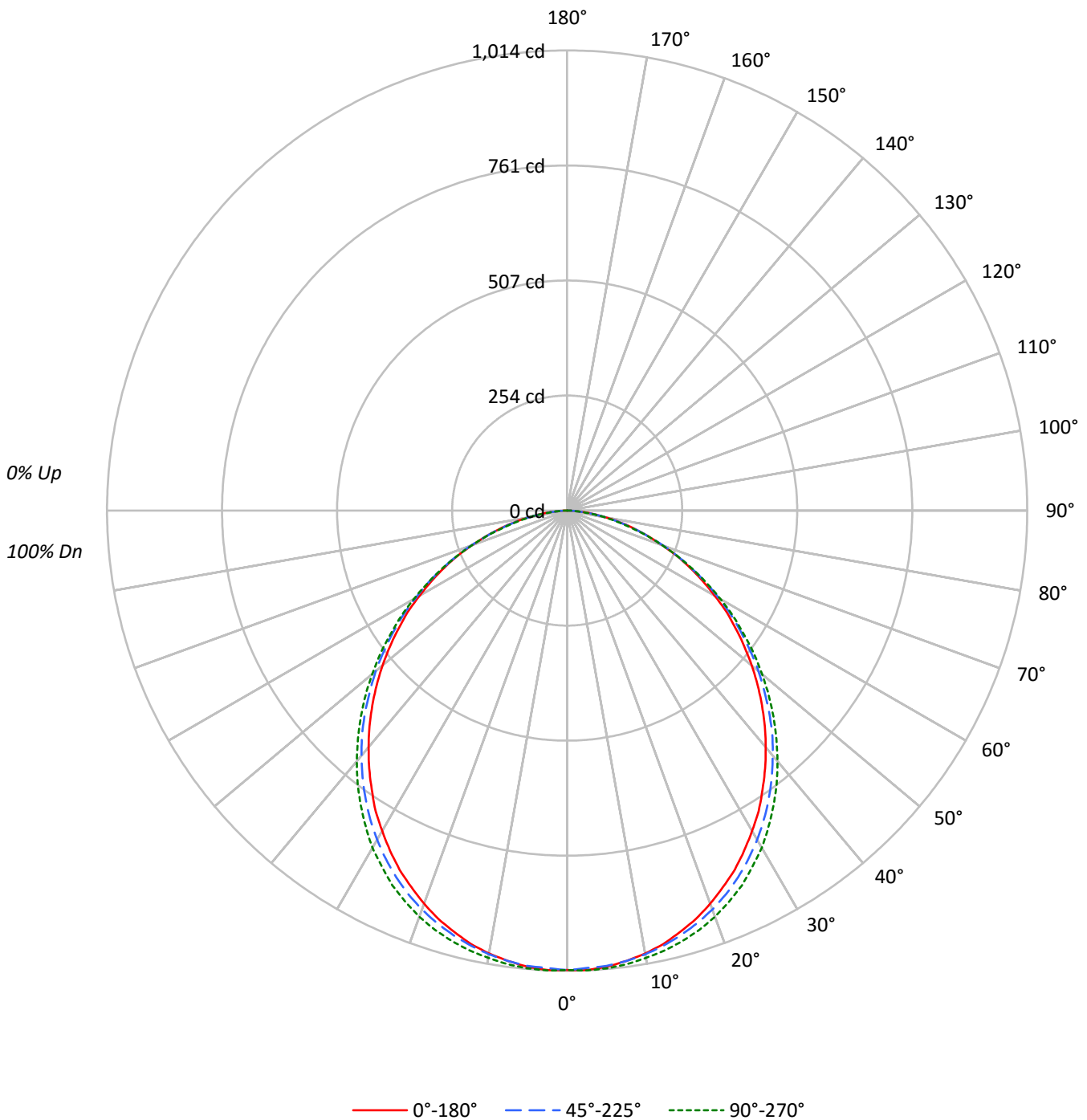
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1362	1362	1362
5°	1363	1360	1368
10°	1354	1356	1367
15°	1339	1349	1368
20°	1320	1339	1364
25°	1297	1323	1353
30°	1267	1301	1333
35°	1233	1273	1302
40°	1196	1238	1266
45°	1155	1198	1224
50°	1111	1153	1173
55°	1065	1098	1115
60°	1011	1038	1050
65°	954	968	974
70°	875	886	875
75°	788	783	760
80°	667	660	639
85°	499	485	429



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	3.6
10°-20°	273.8	10.3
20°-30°	410.6	15.4
30°-40°	483.5	18.2
40°-50°	483.6	18.2
50°-60°	417.3	15.7
60°-70°	300.3	11.3
70°-80°	159.3	6.0
80°-90°	38.0	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	780.3	29.3
0°-40°	1263.8	47.5
0°-60°	2164.7	81.3
0°-90°	2662.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2662.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1012	1012	1012	1012	1012	
5°	1009	1008	1007	1011	1012	96
15°	961	964	969	978	982	271
25°	874	879	891	907	911	402
35°	751	760	775	788	793	470
45°	607	615	630	640	643	468
55°	454	458	468	476	475	406
65°	300	300	304	306	306	296
75°	152	150	151	147	146	161
85°	32	32	31	29	28	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1012.5	1012.5	1012.5	1012.5	1012.5
2.5°	1013.4	1011.6	1008.9	1012.5	1014.3
5°	1008.9	1008.0	1007.1	1010.7	1012.5
7.5°	1000.8	1001.7	1000.8	1006.2	1008.0
10°	991.0	991.9	992.8	999.0	1000.8
12.5°	978.4	979.3	982.0	990.1	992.8
15°	961.4	964.1	968.6	978.4	982.0
17.5°	943.4	947.0	953.3	965.0	968.6
20°	921.9	926.4	935.4	947.9	952.4
22.5°	897.7	902.2	914.7	928.2	932.7
25°	873.5	878.9	891.4	906.7	911.2
27.5°	844.8	852.0	865.4	880.7	884.3
30°	815.2	821.5	837.6	852.0	858.2
32.5°	785.6	791.9	807.1	821.5	826.0
35°	750.6	759.6	774.8	788.3	792.8
37.5°	716.5	724.6	740.8	754.2	758.7
40°	680.7	687.9	704.9	717.4	721.0
42.5°	644.8	652.0	669.0	678.9	682.5
45°	607.1	615.2	629.6	640.3	643.0
47.5°	569.5	575.7	589.2	599.1	602.7
50°	530.9	537.2	550.6	558.7	560.5
52.5°	492.3	496.8	509.4	516.6	519.3
55°	453.8	458.3	468.1	476.2	475.3
57.5°	417.0	418.8	428.7	434.1	434.1
60°	375.8	377.6	385.6	389.2	390.1
62.5°	337.2	339.9	346.2	347.1	347.1
65°	299.5	300.4	304.0	305.8	305.8
67.5°	261.9	261.0	264.6	264.6	263.7
70°	222.4	224.2	225.1	223.3	222.4
72.5°	186.5	185.6	185.6	184.7	184.7
75°	151.6	149.8	150.7	147.1	146.2
77.5°	119.3	116.6	115.7	113.9	112.1
80°	86.1	86.1	85.2	83.4	82.5
82.5°	57.4	57.4	56.5	54.7	52.9
85°	32.3	32.3	31.4	28.7	27.8
87.5°	10.8	10.8	10.8	10.8	10.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)